IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) A method comprising:

creating, in a computer system ~~consumer~~, a resource consumer;

assigning the resource consumer one of a set of flavors;

determining whether the resource consumer is limited to receiving resources from a certain one of a set of resource providers, wherein each of the set of resource providers has one of the set of flavors;

if the resource consumer is limited to receiving resources from the certain one of the set of resource providers, marking a field to indicate that the resource consumer is limited to receiving resources from the certain one of the set of resource providers; and

allocating a resource to the resource consumer from one of the set of resource providers whose flavor matches the flavor assigned to the resource consumer.

2. (Currently Amended) The method of claim 1, wherein marking the field to indicate that the resource consumer is limited to receiving resources from the certain one of the set of resource providers includes storing the field in memory associated with ~~is stored in~~ the resource consumer.

3. (Currently Amended) The method of claim 1, wherein [[in]] the resource [[is]] includes a physical memory.

4. (Currently Amended) The method of claim 1, wherein the resource provider [[is]] includes one or more central processing units.

5. (Currently Amended) The method of claim 1, wherein the set of flavors includes application flavors, support flavors, and operating system flavors.

6. (Original) A method comprising:

receiving a request for a resource from a resource consumer, wherein the resource consumer has a first flavor;

determining whether the first flavor matches a second flavor of one of a set of nodes;

if the first flavor matches the second flavor, determining whether the resource is available in the one of the set of nodes; and

if the resource is available in the one of the set of nodes, allocating the resource to the resource consumer.

7. (Original) The method of claim 6, wherein the resource consumer has a place field, wherein the place field indicates that the resource consumer can only receive resources from a certain one of the set of nodes, wherein each of the set of nodes has a node identifier, and wherein the method further includes determining whether the place field of the resource consumer matches the node identifier of the one of the set of nodes.

8. (Currently Amended) The method of claim 6, wherein the resource <u>provider</u> [[is]] <u>includes</u> a CPU.

9. (Currently Amended) The method of claim 6, wherein the resource [[is]] <u>includes a</u> physical memory.

10. (Original) The method of claim 6, wherein the resource consumer is a process or a thread.

11. (Original) A method comprising:

requesting a resource from a set of one or more resource providers, wherein each one of the set of resource providers includes one of a set of flavors, wherein the set of flavors includes an operating system flavor, a support flavor, and an application flavor, and wherein each one of the set of resource providers is a node; and

accepting the resource from one of the set of resource providers.

12. (Currently Amended) The method of claim 11, wherein the resource provider [[is]] includes one or more central processing units.

13. (Original) The method of claim 11, wherein the node includes one or more central processing units and physical memory.

14. (Original) An apparatus comprising:

a first set of one or more nodes, wherein each of the set of nodes includes, a second set of one or more central processing units (CPUs); and

a physical memory communicatively coupled to each CPU of the second set, wherein the physical memory includes a first flavor of the node, wherein the physical memory includes an operating system, and wherein the operating system is to allocate CPUs of the second set and the physical memory to resource consumers that have a second flavor that matches the first flavor.

15. (Original) The apparatus of claim 14, wherein the resource consumers are processes and threads.

16. (Original) The apparatus of claim 14, wherein the first flavor is an operating system flavor, a support flavor, or a application flavor.

17. (Currently Amended) A machine-readable medium that provides instructions, which when executed by a machine, cause the machine to perform operations comprising:

creating, in a computer system ~~consumer~~, a resource consumer;

assigning the resource consumer one of a set of flavors;

determining whether the resource consumer is limited to receiving resources from a certain one of a set of resource providers, wherein each of the set of resource providers has one of the set of flavors;

if the resource consumer is limited to receiving resources from the certain one of the set of resource providers, marking a field to indicate that the resource consumer is limited to receiving resources from the certain one of the set of resource providers; and

allocating a resource to the resource consumer from one of the set of resource providers whose flavor matches the flavor assigned to the resource consumer.

18. (Currently Amended) The machine-readable medium of claim 17, wherein marking the field to indicate that the resource consumer is limited to receiving resources from the certain one of the set of resource providers includes storing the field in memory associated with ~~is stored in~~ the resource consumer.

19. (Currently Amended) The machine-readable medium of claim 17, wherein in the resource [[is]] includes a physical memory.

20. (Currently Amended) The machine-readable medium of claim 17, wherein the resource provider [[is]] includes one or more central processing units.

21. (Currently Amended) The machine-readable medium of claim 17, wherein the set of flavors includes application flavors, support flavors, and operating system flavors.

22. (Original) A machine-readable medium that provides instructions, which when executed by a machine, cause the machine to perform operations comprising:

receiving a request for a resource from a resource consumer, wherein the resource consumer has a first flavor;

determining whether the first flavor matches a second flavor of one of a set of nodes;

if the first flavor matches the second flavor, determining whether the resource is available in the one of the set of nodes; and

if the resource is available in the one of the set of nodes, allocating the resource to the resource consumer.

23. (Original) The method of claim 22, wherein the resource consumer has a place field, wherein the place field indicates that the resource consumer can only receive resources from a certain one of the set of nodes, wherein each of the set of nodes has a node identifier, and wherein the method further includes determining whether the place field of the resource consumer matches the node identifier of the one of the set of nodes.

24. (Currently Amended) The machine-readable medium of claim 22, wherein the resource provider [[is]] includes a CPU.

25. (Currently Amended) The machine-readable medium of claim 22, wherein the resource [[is]] includes a physical memory.

26. (Original) The machine-readable medium of claim 22, wherein the resource consumer is a process or a thread.

27. (Original) A machine-readable medium that provides instructions, which when executed by a machine, cause the machine to perform operations comprising:

requesting a resource from a set of one or more resource providers, wherein each one of the set of resource providers includes one of a set of flavors, wherein the set of flavors includes an operating system flavor, a support flavor, and an application flavor, and wherein each one of the set of resource providers is a node; and

accepting the resource from one of the set of resource providers.

28. (Currently Amended) The machine-readable medium of claim 27, wherein the resource provider [[is]] includes one or more central processing units.

29. (Original) The machine-readable medium of claim 27, wherein the node includes one or more central processing units and physical memory.

30. (New) A method in a computer system having a plurality of nodes coupled by a network, the method comprising:

defining resource providers, wherein each resource provider provides one or more resources;

assigning one or more flavors to each resource provider;

creating resource consumers in the computer system, wherein each resource consumer receives resources from one or more of the resource providers;

assigning one or more flavors to each resource consumer; and

allocating a resource to the resource consumer from the plurality of resource providers whose one or more flavors matches the flavor assigned to the resource consumer.

31. (New) The method of claim 30, wherein assigning includes updating a field associated with each resource consumer to indicate the flavors assigned to each resource consumer.

32. (New) The method of claim 30, wherein assigning flavors includes selecting the flavors from a group of flavors including an application flavor, a support flavor, and an operating system flavor.

33. (New) The method of claim 32, wherein selecting the flavors includes determining if the resource consumer is an operating system program and, if the resource consumer is an operating system program, assigning the operating system flavor to the program.

34. (New) The method of claim 32, wherein selecting the flavors includes determining if the resource consumer is an application program and, if the resource consumer is an application program, assigning the application flavor to the program.